



# SPYWOLF

## Security Audit Report



Completed on  
**December 30, 2022**

@SPYWOLFNETWORK



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SPYWOLF.CO





# OVERVIEW

This audit has been prepared for **UniFan** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

*The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal*

- SPYWOLF Team -

”





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# UniFan



## PROJECT DESCRIPTION

### **According to their whitepaper:**

The UniFan protocol is a peer-to-peer system designed to exchange cryptocurrencies (FanTokens) on the Arbitrum blockchain. The project will be a decentralized exchange dedicated to FanTokens. UniFan will also build its own ecosystem for FanTokens. Along with that are ongoing incentive programs.

**Release Date:** Launch TBD

**Category:** Betting / DEX



# CONTRACT INFO

Token Name  
UniFan

Symbol  
UNIF

Contract Address

0x42a9771Ec69F83319dA308AA2f4D2D30d6aeFF52

Network  
Arbitrum

Language  
Solidity

Deployment Date  
Dec 30, 2022

Verified?  
Yes

Total Supply  
1,000,000,000

Status  
Not Launched

## TAXES

Buy Tax  
**none**

Sell Tax  
**none**

\*Taxes cannot be changed



## Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

### Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



# CURRENT STATS

(As of Dec 30, 2022)



Liquidity

Not added yet



Burn

No burnt tokens

Status:  
**Not Launched!**

MaxTxAmount  
No Limit

DEX:  
PancakeSwap

LP Address(es)

Liquidity not added yet



# VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



# THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

## High Risk

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Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Medium Risk

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Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Low Risk

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Issues on this level are minor details and warning that can remain unfixed.

## Informational

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Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.





# FOUND THREATS

## ⚠ High Risk

Owner can mint (create) new tokens.

If sold, this can lead to significant price inflation and liquidity drain.

```
function mint(uint256 amount) public onlyOwner returns (bool) {
    _mint(_msgSender(), amount);
    return true;
}

function _mint(address account, uint256 amount) internal {
    require(account != address(0), "BEP20: mint to the zero address");

    _totalSupply = _totalSupply.add(amount);
    _balances[account] = _balances[account].add(amount);
    emit Transfer(address(0), account, amount);
}
```

- Recommendation:
  - Considered as good practice is mint to be done only once on contract deployment.



RECOMMENDATIONS FOR

# GOOD PRACTICES

---

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

## UniFan

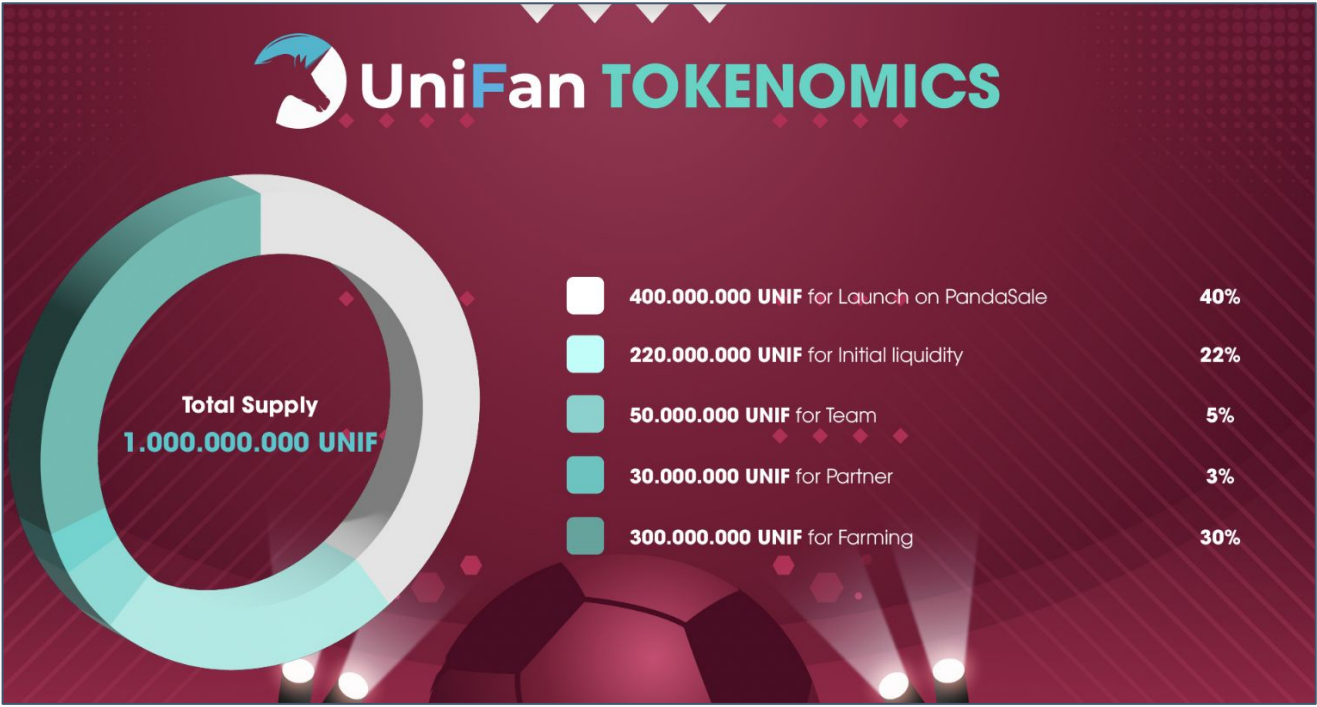
### GOOD PRACTICES FOUND

- ✓ The owner cannot stop or pause the contract
- ✓ The owner cannot set a transaction limit
- ✓ The smart contract utilizes "SafeMath" to prevent overflows



\*The following tokenomics are based on project's website and/or whitepaper:

- 40% - Presale
- 30% Farming
- 22% - Liquidity
- 5% - Team
- 3% - Partner



TOKENOMICS



# THE TEAM

! The team is anonymous

## KYC INFORMATION

! No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.





# WEBSITE

**Website URL**  
<https://www.unifan.app/>

**Domain Registry**  
<https://www.namecheap.com/>

**Domain Expiration**  
Expires on 2023-10-30

**Technical SEO Test**  
Passed

**Security Test**  
Passed. SSL certificate present

**Design**  
Nice overall looking with appropriate color scheme and graphics.

**Content**  
The information helps new investors understand what the product does right away.  
No grammar mistakes found  
.

**Whitepaper**  
Well written, explanatory.

**Roadmap**  
Yes, goals set at 3 phases without time frames.

**Mobile-friendly?**  
Yes



**unifan.app**

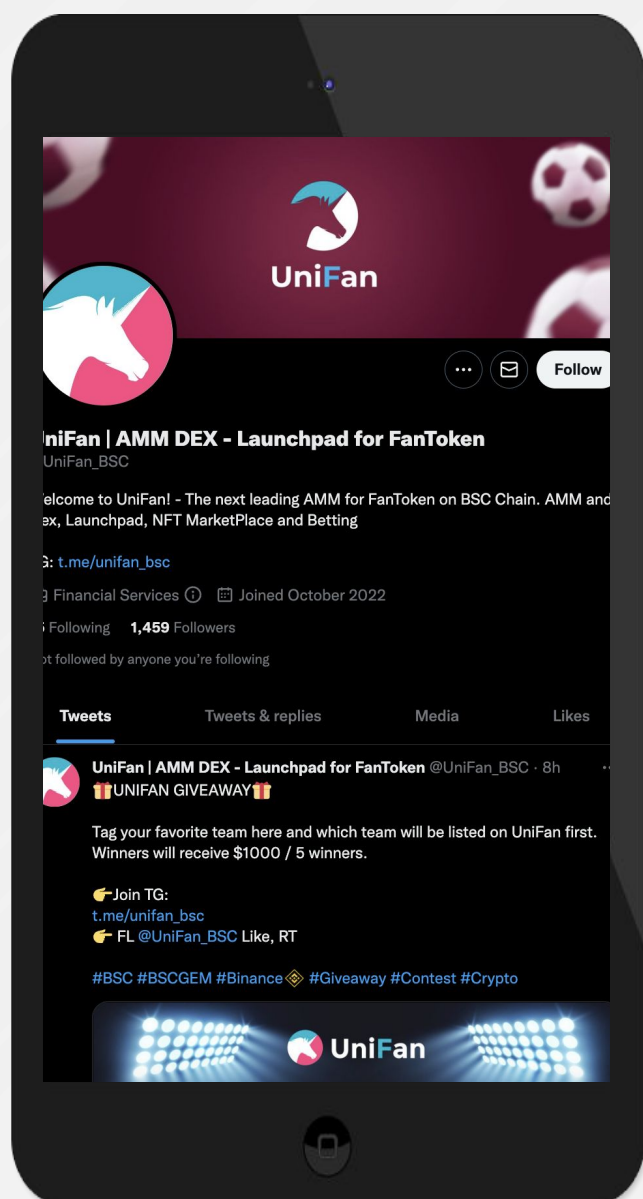


# SOCIAL MEDIA & ONLINE PRESENCE



## ANALYSIS

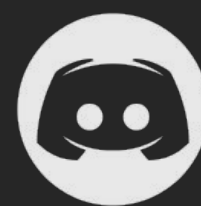
Project's social activity is concentrated in telegram with organic users.



Twitter

@unifan\_arb

- 111 followers
- 2 total posts
- New account



Discord

- Not available



Telegram

@unifan\_bsc

- 438 members
- Few active members
- Active mods



Medium

- Not available



# SPYWOLF

## CRYPTO SECURITY

Audits | KYCs | dApps  
Contract Development

# ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

- ✓ OVER 150 SUCCESSFUL CLIENTS
- ✓ MORE THAN 500 SCAMS EXPOSED
- ✓ MILLIONS SAVED IN POTENTIAL FRAUD
- ✓ PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS
- ✓ CONSTANTLY BUILDING TOOLS TO HELP INVESTORS DO BETTER RESEARCH

To hire us, reach out to  
[contact@spywolf.co](mailto:contact@spywolf.co) or  
[t.me/joe\\_SpyWolf](https://t.me/joe_SpyWolf)

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# Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.